

REMARKS

The Examiner is thanked for providing a careful review of this application. Claims 9, 13, 21, and 23 have been amended. Claims 35-42 have been added. Claims 9-42 are
5 pending after entry of the present amendment.

Rejections under 35 U.S.C. § 103

To establish a prima facie case of obviousness, the references when combined must teach or suggest all the claim limitations. Additionally, there must be some suggestion or
10 motivation, either in the references or in the knowledge generally available to one having ordinary skill in the art, to combine the references. As discussed below, the Office has not established a prima facie case of obviousness because the references when combined do not teach or suggest all of the claim limitations. Furthermore, there is neither suggestion nor motivation, in either the references or in the knowledge of one having ordinary skill in
15 the art at the time of the invention, to have combined the references in the manner proposed.

Claims 9 and 21 were rejected under 35 U.S.C. 103(a) as being unpatentable over Smith et al. ("Smith") (U.S. Patent No. 6,222,537 B1) and Ezekiel et al. ("Ezekiel") (U.S. Patent No. 5,625,783). These rejections are respectfully traversed.

20 Smith teaches a user interface builder to be used for creating customized user interfaces. The user interface builder of Smith enables users to associate images, animation, sound clips, and other media with specific predefined states of a user interface controls. To accomplish this, the user interface builder of Smith separates the behavioral logic of user interface controls from their visual representations.

With regard to claim 9, the Examiner asserts that Smith (Column 4, Lines 13-14) teaches a system for providing a graphical user interface for a component based application program comprising a document viewer for displaying a document or modifying a document within a component based application program. Smith (Column 4, Lines 13-14) recites: "A button control which is set to trigger turning to a new page of text when pressed may have associated with its hovering state an animation sequence comprising images of a book which give the appearance of turning pages when the images are cycled through." This description by Smith does not teach "a document viewer for displaying a document or modifying a document within a component based application program." Rather, this description by Smith is provided as an example of how "feedback can be given to end users in response to mouse proximity and keyboard focus." Furthermore, "a button control" and its associated function, as taught by Smith, is representative of a user interface component not "a document viewer for displaying a document or modifying a document within a component based application program."

With further regard to claim 9, the Examiner further asserts that Smith (Column 4, Lines 41-49) teaches a system for providing a graphical user interface for a component based application program comprising a document viewer having a user interface requirements specification referencing at least one of a plurality of user interface components. Smith (Column 4, Lines 41-49) recites: "The interface builder tool includes: a set of definitions of selectable user interface control types including, for each control type, one or more predefined functions and a predefined state model defining a set of operational states and transitions between the states; means for generating a user interface control of a selected control type; and means for associating property attributes with one or more specific operational states of a user interface control." Notwithstanding the fact that Smith does not teach a document viewer, this teaching by Smith is related to "a set of definitions

of selectable user interface control types", wherein "user interface control types" correspond to "user interface components" in the presently claimed invention. Thus, this teaching by Smith relates to defining a user interface component in terms of predefined functions and a predefined state model. In contrast, the user interface requirements specification of the document viewer in the presently claimed invention is recited as referencing a user interface component. Therefore, it is respectfully submitted that a "document viewer having a user interface requirements specification referencing at least one of said plurality of user interface components" as claimed in the present invention is neither explicitly nor implicitly taught or suggested by the cited art of record.

10 With further regard to claim 9, the Examiner further asserts that Smith (Column 4, Lines 46-47) teaches a system for providing a graphical user interface for a component based application program comprising a renderer to render a graphical user interface for the application program according to said document viewer's user interface requirement specification. As previously set forth, Smith neither explicitly nor implicitly teaches or
15 suggests a document viewer, much less a document viewer having a user interface requirements specification. Therefore, it follows that Smith also does not teach " a renderer to render a graphical user interface for the component based application program according to said document viewer user interface requirements specification."

With regard to claim 21, the Examiner asserts the same teachings by Smith as
20 applied to support the rejection of claim 9. As previously set forth, since Smith neither explicitly nor implicitly teaches or suggests a document viewer, a document viewer having a user interface requirements specification, or a renderer to render a graphical user interface for the application program according to said document viewer's user interface requirement specification. Therefore, it is respectfully submitted that Smith does not teach or suggest
25 "providing a user interface requirements specification for a document viewer" or

"rendering a graphical user interface for the component based application program according to the document viewer user interface requirements specification" as recited in claim 21.

The Examiner's rejections of dependent claims 10-20, are respectfully traversed.

5 Since dependent claims 10-20 incorporate all elements and limitations of claim 9 as amended, the applicants submit that these dependent claims are patentable for at least the same reasons that claim 9 as amended is patentable over the cited art of record. Similarly, since dependent claims 22-34 incorporate all elements and limitations of claim 21 as amended, the applicants submit that these dependent claims are patentable for at least the

10 same reasons that claim 21 as amended is patentable over the cited art of record.

Neither Smith nor Ezekiel, nor the combination thereof, teach or suggest all of the combined features of claims 9 and 21 as amended. Furthermore, neither the teachings nor the nature of the problem solved in either Smith or Ezekiel, or the combination thereof, motivate or suggest to one of ordinary skill in the art at the time of the invention to

15 combine the reference teachings in a manner that would make the claimed invention obvious. Thus, a prima facie case of obviousness has not been established. For at least these reasons, the Applicants respectfully request that the rejections of independent claims 9, and 21 be withdrawn. For at least the same reasons, the Applicants respectfully submit that dependent claims 10-20 and 22-34 are patentable over the cited art of record.

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General Claim Amendments

Claims 9 and 21 have been amended to correct antecedent basis and editorial issues. Claim 13 has been amended to correct an editorial issue. Claim 23 has been amended to correct an antecedent basis issue.

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New Claims

New claims 35-42 have been introduced. The new claims 35-42 are fully supported by the original specification and do not introduce any new matter. It is respectfully submitted that the new claims 35-42 are patentable over the cited art of record for at least
5 the same reasons previously set forth with respect to claims 9-34.

In accordance with the foregoing, a notice of allowance is respectfully requested. If the Examiner has any questions concerning the present amendment, the Examiner is kindly requested to contact the undersigned at (408) 749-6900 ext. 6903. If any other fees are due
10 in connection with filing this amendment, the Commissioner is also authorized to charge Deposit Account No. 50-0805 (Order No. ROXIP259). A duplicate copy of the transmittal is enclosed for this purpose.

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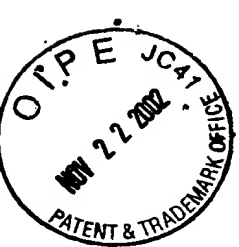
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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

5 In re application of:) Docket No: ROXIP259
Smith, Jeffrey A. et al.) Group Art Unit: 2173
Application No: 09/240, 844) Examiner: Vu, Kieu D.
10 Filed: February 1, 1999) Date: November 14, 2002
For: USER INTERFACE METHOD AND)
SYSTEM FOR APPLICATION)
15 PROGRAMS IMPLEMENTED WITH)
COMPONENT ARCHITECTURES)

MARKED UP AMENDMENT RECEIVED

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MARKED UP CLAIMS

9. (Amended) A system for providing a graphical user interface for a component based application program, comprising:

25 a plurality of user interface components;

a document viewer for displaying a document or modifying the [a] document within a component based application program, the document viewer having a user interface requirements specification referencing at least one of said plurality of user interface components; and

30 a renderer to render a graphical user interface for the component based application program according to said document viewer [viewer's] user interface requirements specification, when said document viewer is added as a component of the component based application program, without [the] a need to recompile or reinstall the component based application program.

13. (Amended) The system of claim 9 wherein at least one of said plurality of user interface components is an edit box.

5 21. (Amended) A method for providing a graphical user interface for a component based application program, comprising:

providing a user interface requirements specification for a document viewer, the document viewer being used to display a document or to modify the [a] document within a component based application program, and the user interface requirements specification
10 referencing at least one of a plurality of user interface components; and

rendering a graphical user interface for the component based application program according to the document viewer [viewer's] user interface requirements specification, when the document viewer is added as a component of the component based application program, without recompiling or reinstalling the component based application program.

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23. (Amended) The method of claim 22 further comprising:

adding a new user interface requirements specification to the component based application program; and

registering user interface components associated with the new user interface
20 requirements specification, with the workflow manager.